

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/157,984D  
Source: IFW16  
Date Processed by STIC: 11/9/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 11/09/2005

PATENT APPLICATION: US/09/157,984D

TIME: 09:14:31

Input Set : E:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\11092005\I157984D.raw

```

3 <110> APPLICANT: Hong Kong University of Science & Technology
4     Lai, Kwok On
5     Ip, Nancy Yuk-Yu
7 <120> TITLE OF INVENTION: CLONING OF A NOVEL NEUROTROPHIN NT-7 FROM CARP
9 <130> FILE REFERENCE: 32144183-000009
11 <140> CURRENT APPLICATION NUMBER: 09/157,984D
12 <141> CURRENT FILING DATE: 1998-09-22
14 <160> NUMBER OF SEQ ID NOS: 14
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 133
20 <212> TYPE: PRT
21 <213> ORGANISM: Cyprinus carpio
23 <400> SEQUENCE: 1
25 Lys Ala Asn Asp Phe Leu His Arg Gly Glu Tyr Ser Val Cys Asp Ser
26 1          5          10          15
29 Glu Glu His Trp Val Gly Asn Leu Thr Gln Ala Thr Asp Leu Arg Gly
30          20          25          30
33 Asn Glu Val Thr Val Leu Pro His Val Arg Ile Asn Asn Val Val Lys
34          35          40          45
37 Lys Gln Met Phe Tyr Glu Thr Thr Cys Arg Val Ser Lys Pro Ile Gly
38          50          55          60
41 Ala Pro Lys Pro Gly Gln Gly Val Ser Gly Val Lys Ala Gly Thr Ser
42 65          70          75          80
45 Ser Cys Arg Gly Ile Asp Asn Glu His Trp Asn Ser Tyr Cys Thr Asn
46          85          90          95
49 Val His Thr Phe Val Arg Ala Leu Thr Ser Tyr Lys Asn Gln Ile Ala
50          100         105         110
53 Trp Arg Phe Ile Arg Ile Asn Ala Ala Cys Val Cys Val Leu Ser Arg
54          115         120         125
57 Asn Ser Trp Arg His
58          130
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 519
63 <212> TYPE: DNA
64 <213> ORGANISM: Cyprinus carpio
66 <400> SEQUENCE: 2
67 ccaggccccgc gagtccggcg gaaggccaac gacttcttgc atcgcgggcga gtactctgtg      60
69 tgtgacagcg aagagcactg gggtggcaac ctgacccaag ccacagactt acgggggcaat      120
71 gaagtcacgg tgctgccaca tgttcgcata aacaacgtgg tgaagaagca gatgttctac      180
73 gagaccacgt gccgtgtgtc gaagcccatc gggggcccca agccgggtca aggagtcagc      240
75 ggcgttaaag caggaacctc tagctgtcgt gggatcgaca acgagcactg gaactcttat      300
77 tgcaccaacg tgcacacctt tgtgcggggcg ttaacgtcct acaaaaacca gattgcctgg      360

```

## RAW SEQUENCE LISTING

DATE: 11/09/2005

PATENT APPLICATION: US/09/157,984D

TIME: 09:14:31

Input Set : E:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\11092005\I157984D.raw

```

79 aggttcaccc gaatcaacgc cgcttgctg tgcgtcctca gccgcaactc atggaggcat      420
81 tgactgacat attgtttcag ccaatccact gcagcctcct gtcgtaagcc cctccccaccc      480
83 atcaataata acaacagccg cactgccaac gttggtgat      519
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 6
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Amino acid sequence for carp NT-6 primer
94 <400> SEQUENCE: 3
96 Tyr Ser Val Cys Asp Ser
97 1      5
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 18
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: DNA primer for carp NT-6
108 <400> SEQUENCE: 4
109 gtactctgtg tgtgacag      18
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 6
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Amino acid sequence for carp NT-6 primer
120 <400> SEQUENCE: 5
122 Ile Asn Ala Ala Cys Val
123 1      5
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 17
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: DNA primer for carp NT-6
134 <400> SEQUENCE: 6
135 cacacatgca gcgttga      17
138 <210> SEQ ID NO: 7
139 <211> LENGTH: 17
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: DNA primer for carp NT-7
146 <400> SEQUENCE: 7
147 aaatgatacg gggagcc      17
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 17
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 11/09/2005

PATENT APPLICATION: US/09/157,984D

TIME: 09:14:31

Input Set : E:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\11092005\I157984D.raw

```

155 <220> FEATURE:
156 <223> OTHER INFORMATION: DNA primer for carp NT-7
158 <400> SEQUENCE: 8
159 aaggggcgga gtctcag 17
162 <210> SEQ ID NO: 9
163 <211> LENGTH: 19
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: DNA primer for Xiphophorus NGF
170 <400> SEQUENCE: 9
171 cttagatcgt gtgcccacg 19
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 19
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: DNA primer for Xiphophorus NGF
182 <400> SEQUENCE: 10
183 gggtgagtct tcaatgctg 19
186 <210> SEQ ID NO: 11
187 <211> LENGTH: 19
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: DNA primer for Xiphophorus NT-6
194 <400> SEQUENCE: 11
195 ataacgtgga cgtgtgccc 19
198 <210> SEQ ID NO: 12
199 <211> LENGTH: 19
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: DNA primer for Xiphophorus NT-6
206 <400> SEQUENCE: 12
207 caagagcggg ccacacctc 19
210 <210> SEQ ID NO: 13
211 <211> LENGTH: 6
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Amino acid sequence for carp NGF primer
218 <400> SEQUENCE: 13
220 Phe Tyr Glu Thr Thr Cys
221 1 5
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 5
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 11/09/2005

PATENT APPLICATION: US/09/157,984D

TIME: 09:14:31

Input Set : E:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\11092005\I157984D.raw

229 &lt;220&gt; FEATURE:

230 &lt;223&gt; OTHER INFORMATION: Amino acid sequence for carp NGF primer

232 &lt;400&gt; SEQUENCE: 14

234 Ala Cys Val Cys Val

235 1 5

**VERIFICATION SUMMARY**

DATE: 11/09/2005

PATENT APPLICATION: US/09/157,984D

TIME: 09:14:32

Input Set : E:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\11092005\I157984D.raw